APPENDIX F. Summary of Effects Modeling Results (all effects on a percent reduction from controls basis).

LC-50 Source[a]	LC-50[b]	**FHM SSx[c]**	MLE[d]	LCL[e]	UCL[f]	**BTR SSx[g]**	MLE[d]	LCL[e]	UCL[f]	**BLG SSx[h]**	MLE[d]	LCL[e]	UCL[f]
Actinopterygii SSD	66.46	10.8	**48%**	39%	56%	6.7	**30%**	1%	55%	9.9	**56%**	3%	82%
Percidae (family)	42.31	17	**63%**	58%	68%	10.5	**39%**	18%	57%	15.5	**72%**	43%	87%
[ICE MLE][i]	62.04	11.6	**51%**	43%	58%	7.2	**32%**	4%	55%	10.6	**59%**	11%	82%
Y. Perch & E. perch	94.34	7.6	**34%**	22%	46%	4.7	**23%**	0%	53%	7	**38%**	0%	79%
Etheostoma (genus)	40	18	**65%**	60%	70%	11.1	**40%**	20%	58%	16.4	**74%**	46%	88%
[ICE MLE][i]	57.77	12.4	**53%**	45%	60%	7.7	**33%**	7%	55%	11.4	**62%**	19%	83%
Etheostoma fonticola	21.53	33.4	**81%**	76%	85%	20.7	**52%**	37%	64%	30.5	**86%**	64%	95%
[ICE MLE][i]	42.66	16.9	**63%**	58%	68%	10.4	**39%**	18%	57%	15.4	**72%**	52%	87%
Oncorhynchus (genus)	47.02	15.3	**60%**	54%	65%	9.5	**37%**	15%	57%	13.9	**69%**	36%	85%
[ICE MLE][i]	57.33	12.6	**53%**	46%	60%	7.8	**34%**	7%	55%	11.4	**62%**	19%	83%
Rainbow Trout	59.22	12.2	**52%**	45%	59%	7.5	**33%**	6%	55%	11.1	**61%**	16%	83%
Salvelinus (genus)	15.72	45.8	**87%**	83%	92%	28.4	**57%**	43%	69%	41.7	**90%**	68%	97%
[ICE MLE][i]	40.05	18	**65%**	60%	70%	11.1	**40%**	20%	58%	16.4	**74%**	46%	88%
Brook Trout	85.74	8.4	**38%**	27%	49%	5.2	**25%**	0%	54%	7.6	**43%**	0%	79%
Oncorhynchus apache	16.51	43.6	**87%**	82%	91%	27	**56%**	42%	68%	39.7	**90%**	67%	97%
[ICE MLE][i]	38.74	18.6	**66%**	61%	71%	11.5	**41%**	21%	58%	16.9	**74%**	47%	88%
Oncorhynchus tshaw.	31.97	22.5	**71%**	67%	76%	13.9	**45%**	27%	59%	20.5	**79%**	55%	91%
[ICE MLE][i]	64.35	11.2	**49%**	41%	57%	6.9	**31%**	2%	55%	10.2	**57%**	7%	82%
Oncorhynchus kisutch	32.36	22.2	**71%**	66%	75%	13.8	**44%**	27%	59%	20.3	**79%**	55%	90%
[ICE MLE][i]	53.16	13.5	**56%**	49%	62%	8.4	**35%**	10%	56%	12.3	**65%**	26%	84%
Oncorhynchus c. h.	22.83	31.5	**80%**	75%	84%	19.5	**51%**	36%	63%	28.7	**85%**	63%	94%
[ICE MLE][i]	42.92	16.8	**63%**	57%	68%	10.4	**39%**	18%	57%	15.3	**72%**	42%	87%
Cyprinella monacha	36.81	19.6	**68%**	63%	72%	12.1	**42%**	23%	58%	17.8	**76%**	50%	89%
[ICE MLE][i]	60.99	11.8	**51%**	43%	58%	7.3	**32%**	4%	55%	10.8	**60%**	13%	82%
Cyprinidae	101.7	7.1	**31%**	18%	44%	4.4	**22%**	0%	53%	6.4	**33%**	0%	78%
[ICE MLE][i]	136.21	5.3	**18%**	1%	34%	3.3	**15%**	0%	52%	4.8	**13%**	0%	76%
Gila elegans	50.92	14.1	**57%**	51%	63%	8.8	**36%**	12%	56%	12.9	**66%**	30%	84%

[ICE MLE][i]	156.6	4.6	**12%**	0%	30%	2.8	**11%**	0%	52%	4.2	**3%**	0%	76%
Notropis mekistocholas	48.51	14.8	**59%**	53%	65%	9.2	**37%**	14%	56%	13.5	**68%**	34%	85%
[ICE MLE][i]	84.29	8.5	**39%**	28%	49%	5.3	**26%**	0%	54%	7.8	**44%**	0%	80%
Ptychocheilus lucius	43.45	16.6	**63%**	57%	68%	10.3	**39%**	18%	57%	15.1	**71%**	41%	86%
[ICE MLE][i]	142.16	5.1	**17%**	0%	33%	3.1	**14%**	0%	52%	4.6	**10%**	0%	76%
Oncorhynchus mykiss	59	12.2	**52%**	45%	59%	7.6	**33%**	6%	55%	11.1	**61%**	16%	83%
Xyrauchen texanus	83.8	8.6	**39%**	28%	49%	5.3	**26%**	0%	54%	7.8	**44%**	0%	80%
[ICE MLE]i	112.34	6.4	**27%**	12%	40%	4	**19%**	0%	53%	5.8	**27%**	0%	77%
Cypriniformes SSD	84.55	8.5	**39%**	28%	49%	5.3	**26%**	0%	54%	7.8	**44%**	0%	80%
Salmo salar	90	8	**36%**	24%	47%	5	**24%**	0%	54%	7.3	**41%**	0%	79%
Perciformes SSD	90.8	7.9	**36%**	24%	47%	4.9	**24%**	0%	53%	7.2	**40%**	0%	79%
Surrogate Taxa for Mussel Host Fish Spp:													
Centrarchidae (family) ICE LCL	73.2	9.8	**44%**	35%	53%	6.1	**28%**	0%	54%	9	**52%**	0%	81%
Lepomis (genus) ICE LCL	89.5	8	**36%**	24%	47%	5	**24%**	0%	54%	7.3	**41%**	0%	79%
Micropterus. salmoides (species) LC_{50}	95.7	7.5	**34%**	21%	45%	4.7	**23%**	0%	53%	6.9	**38%**	0%	79%
Pomoxis nigromaculatus (species) LC_{50}	84.5	8.5	**39%**	24%	49%	5.3	**26%**	0%	54%	7.8	**44%**	0%	80%
Perca flavescens (species) LC_{50}	93.3	7.7	**35%**	24%	46%	4.8	**23%**	0%	53%	7	**38%**	0%	79%
Salmo trutta (species) ICE LCL	54.9	13.1	**55%**	24%	61%	8.1	**34%**	9%	56%	11.9	**63%**	23%	84%
EC_{10}		4.4	**10%**	0%	28%	2.6	**10%**	0%	51%	4.6	**10%**	0%	76%
EC_{20}		5.5	**20%**	3%	36%	4.1	**20%**	0%	53%	5.3	**20%**	0%	77%

[a]LC_{50} sources include spp. sensitivity distributions (SSD), ICE LCL, ICE MLE and closest taxon values

[b]Acute LC_{50} estimates used for determining SSx values (free CN ug/L)

[c]Fathead Minnow surrogate sensitivity exposure (free CN ug/L)

[d]Maximum Liklihood Estimate of percent effect at linked SSx (rounded to nearest whole percent)
[e]Lower Confidence Limit (95%) for MLE (rounded to nearest whole percent)
[f]Upper Confidence Limit (95%) for MLE (rounded to nearest whole percent)
[g]Brook Trout surrogate sensitivity exposure (free CN ug/L)
[h]Bluegill surrogate sensitivity exposure (free CN ug/L)
[i]ICE Maximum Liklihood Estimate (MLE) of LC50 for surrogate taxon whose ICE LCL LC50 is listed directly above in the table